BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO CC ROADS IN YELAHANKA OLD TOWN AND SURROUNDING AREA IN WARD NO.02 OF YELAHANKA SUB-DIVISION

								Estimate Cost Rs.	20.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)									
	for Road	Cum								
			1	55.00	4.00	0.30	66.00			
			1	60.00	5.00	0.30	90.00			
			1	50.00	4.00	0.30	60.00			
			1	50.00	5.00	0.25	62.50			
			1	44.00	4.00	0.30	52.80			
							331.30	166.42	**55134.95**	
	Basic Rate	157.00								
	Area Weightage @ 6%	9.42								
	Total	**166.42**								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
				Qty Vide Item No.1			**331.30**	100.00	**33130.00**	
	Average Weight of Earth 1.28 Tonne/Km									
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00								
	Add loading and unloading Item No 17.1)	68.00								
	Total	**100.00**								
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)									
		Cum								
	for road		1	55.00	4.00	0.15	33.00			
			1	60.00	5.00	0.15	45.00			

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	50.00	4.00	0.15	30.00		
			1	50.00	5.00	0.15	37.50		
			1	44.00	4.00	0.15	26.40		
							171.90	5159.02	**886835.54**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
4	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
		Cum							
			1	55.00	4.00	0.125	27.50		
			1	60.00	5.00	0.125	37.50		
			1	50.00	4.00	0.125	25.00		
			1	50.00	5.00	0.125	31.25		
			1	44.00	4.00	0.125	22.00		
							143.25	6231.74	**892696.76**
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
5	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
		Sqm							
			1	55.00	4.00		220.00		
			1	60.00	5.00		300.00		
			1	50.00	4.00		200.00		
			1	50.00	5.00		250.00		
			1	44.00	4.00		176.00		
							1146.00	95.40	**109328.40**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
6	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
		m							
			6	4.00			24.00		
			8	5.00			40.00		
			5	4.00			20.00		
			6	5.00			30.00		
			1	50.00			50.00		
			1	20.00			20.00		
							184.00	121.90	**22429.60**
	Basic Rate	115.00							
	Area Weightage @ 6%	6.90							
	Total	**121.90**							
7	Miscellaneous and unforeseen charges	LS							**444.76**
							Grand Total Amount		**2000000.00**

(RupeesTwenty Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For 20.00 lakh Rs
Head of A/C... P 1771
CER NO :..... 176 .. **Dt:**.. 16/02/17

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lakh
Rupees ... Twenty ... lakhs ... only
Under ... P. 1771 - 2016.17
Registered as CE ( ) No. ... 9 9
Subject to conditions contained in enclosed memo EE ( ) No. ... /9/
Dt. ... Estimate A/ Sanctioned
EE/TS/58/16.17 No.
Dated ... 16.2.17 ... Rs. 20.00 lakh

Executive Engineer

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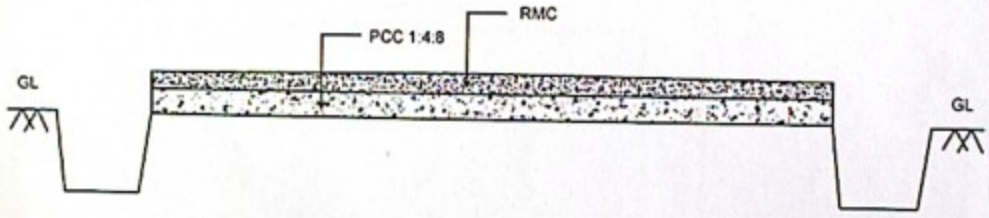

TYPICAL CROSS SECTION OF CC ROAD

AE

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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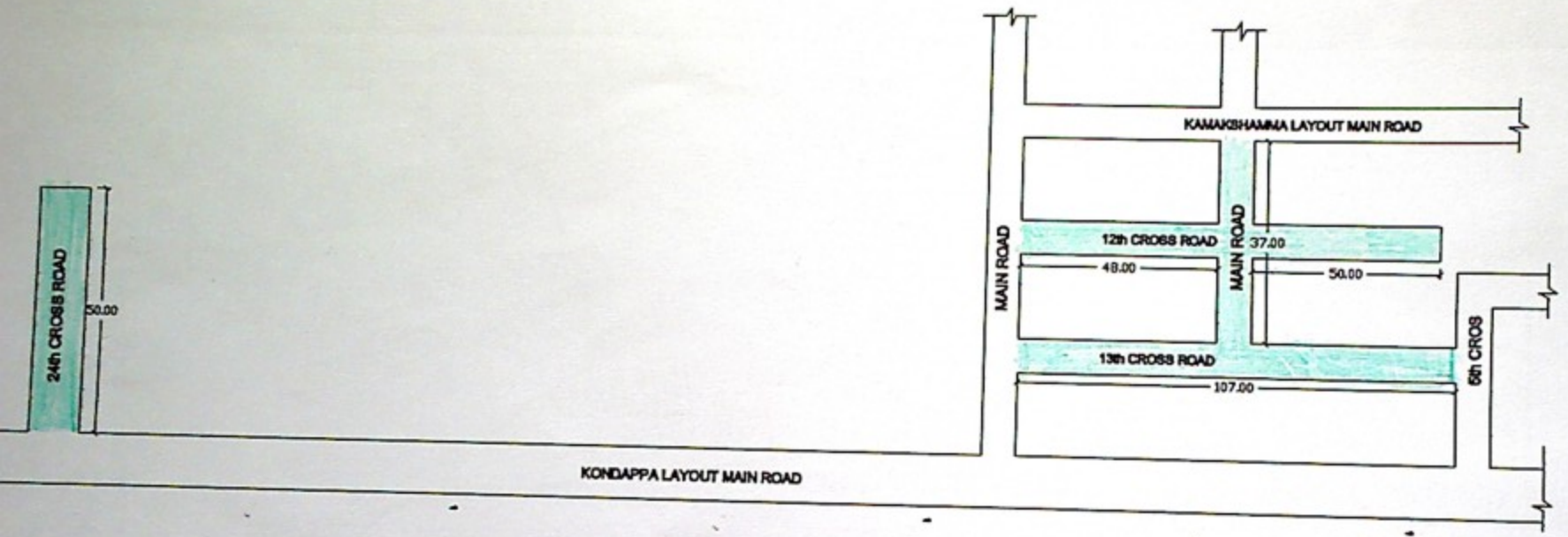

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- CC ROAD

Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P